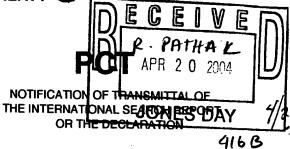
ATENT COOPERATION TREAT

From the INTERNATIONAL SEARCHING AUTHORITY

PENNIE & EDMONDS LLP Attn. Coruzzi, Laura A. 1155 Avenue of the Americas New York, NY 10036



UNITED STATES OF AMERICA	(PCT Rule 44.1)
	•
	Date of mailing (day/month/year) 15/04/2004
Applicant's or agent's file reference	
11134-13-228	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No.	International filing date
PCT/US 03/35543	(day/month/year) 06/11/2003
Applicant	
TULARIK INC.	

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Applicar	nt				_
TULAF	RIK IN	c.			
. =					_
1. X	The appl	icant is hereby n	otified that the International Search	Report has been established and is transmitted herewith.	
	Filing of The appl	amendments a icant is entitled,	nd statement under Article 19: If he so wishes, to amend the claim	s of the International Application (see Rule 46):	
	When?	The time limit for International Se	r filing such amendments is norma arch Report; however, for more de	lly 2 months from the date of transmittal of the tails, see the notes on the accompanying sheet.	
	Where?	Directly to the	International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Fascimile No.: (41-22) 740.14.35		
	For more	e detailed instru	ictions, see the notes on the accor	mpanying sheet.	
2.	The appli Article 17	cant is hereby n (2)(a) to that eff	otified that no International Search ect is transmitted herewith.	Report will be established and that the declaration under	
3.	With reg	ard to the prote	st against payment of (an) addition	nal fee(s) under Rule 40.2, the applicant is notified that:	
	the app	protest together dicant's request	with the decision thereon has been to forward the texts of both the prot	n transmitted to the International Bureau together with the est and the decision thereon to the designated Offices.	
	no e	decision has bee	n made yet on the protest; the app	licant will be notified as soon as a decision is made.	
	ner action		cant is reminded of the following:		
pric	ority claim	. Must reach the	ia or dostdone bublication, a notice	plication will be published by the International Bureau. of withdrawat of the international application, or of the n Rules 90 <i>bis</i> .1 and 90 <i>bis</i> .3, respectively, before the tion.	
WIG	nes to po	sthough nie eun A	into the national phase until 30 moi	al preliminary examination must be filed if the applicant or the priority date (in some Offices even later).	
ابات	OI O CIII CIO	signated Citices	rity date, the applicant must perform which have not been elected in the acted because they are not been de-	m the prescribed acts for entry into the national phase demand or in a later election within 19 months from the	

Name and mailing address of the Internation	al Searching Authority
Furnnean Patent Office D.B. co	

NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016

priority date or could not be elected because they are not bound by Chapter II.

Authorized officer

Stefan Brell



These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

Notes to Form PCT/ISA/220 (first sheet) (January 1994)

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled:
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers;
 claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added."
 "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- [Where various kinds of amendments are made]:

 "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

Notes to Form PCT/ISA/220 (second sheet) (January 1994)



PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference		n of Transmittal of International Search Report V220) as well as, where applicable, item 5 below.
11134-13-228 International application No.	International filing date (day/month/year)	(Fodical) Digitally Date (Indicate Local)
тивиталога аррисалогиче.	international filing date (day/montr/year)	(Earliest) Priority Date (day/month/year)
PCT/US 03/35543	06/11/2003	06/11/2002
Applicant		
TULARIK INC.		
This International Search Report has bee according to Article 18. A copy is being to	n prepared by this international Searching A ansmitted to the International Bureau.	uthority and is transmitted to the applicant
This International Search Report consists It is also accompanied by	of a total of5 sheets. r a copy of each prior art document cited in the	his report.
Basis of the report	•	
With regard to the language, the language in which it was filed, un	international search was carried out on the less otherwise indicated under this item.	basis of the international application in the
the international search v Authority (Rule 23.1(b)).	vas carried out on the basis of a translation of	of the international application furnished to this
b. With regard to any nucleotide ar	nd/or amino acid sequence disclosed in the	international application, the international search
was carried out on the basis of the contained in the internation	e sequence listing : onal application in written form.	
I = =	ernational application in computer readable f	orm.
furnished subsequently to	this Authority in written form.	·
fumished subsequently to	this Authority in computer readble form.	
the statement that the su international application a	bsequently furnished written sequence listing as filed has been furnished.	g does not go beyond the disclosure in the
the statement that the inf furnished	ormation recorded in computer readable for	n is identical to the written sequence listing has been
2. Certain claims were fou	ind unsearchable (See Box I).	
3. Unity of invention is lac	sking (see Box II).	
4. With regard to the title,		
X the text is approved as se	ubmitted by the applicant.	
the text has been establis	shed by this Authority to read as follows:	
5. With regard to the abstract, the text is approved as so the text has been established.	, , ,	ority as it appears in Box III. The applicant may,
the text has been establis within one month from the	e date of mailing of this international search	report, submit comments to this Authority.
6. The figure of the drawings to be pub	lished with the abstract is Figure No.	1
X as suggested by the appl	icant.	None of the figures.
because the applicant fai	led to suggest a figure.	
because this figure better	characterizes the invention.	



emational application No.

PCT/US 03/35543

OX III	TEXT OF THE ABSTRACT (Continuation		III SE SUBBEL)	
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				•
	•			
PCT/	SA/210 (continuation of first sheet (2)) (July 19	nev		

ATIONAL SEARCH REPORT

onal Application No PCT/US 03/35543

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07D471/04 A61K31/435 A61P3/00 //(C07D471/04,221:00,209:00)

A61P25/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

CO7D A61K -IPC 7

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data

Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to daim No.
A	WO 02 083134 A (PHARMACOPEIA INC) 24 October 2002 (2002-10-24) claims 1,27	1-52
A	WO 02 04433 A (BAKTHAVATCHALAM RAJAGOPAL; NEUROGEN CORP (US); HUTCHISON ALAN (US)) 17 January 2002 (2002-01-17) page 4, line 1 - line 14	1-52
A	WO 02 051809 A (SCHERING CORP) 4 July 2002 (2002-07-04) claims 1,10	1-52
X,P	WO 02 089729 A (CHEN XIAOQI ;LI LEPING (US); TULARIK INC (US); DAI KANG (US); FAN) 14 November 2002 (2002-11-14) claims 1,37	1-52

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A* document defining the general state of the art which is not considered to be of particular relevance E* earrier document but published on or after the international filing date L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O* document referring to an oral disclosure, use, exhibition or other means P* document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "8" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
26 March 2004	15/04/2004
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentiaan 2 Ni 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Bakboord, J

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	tion) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim N
A,P	WO 03 060475 A (NEUROGEN CORP; PETERSON JOHN (US); SHEN YIPING (US); GUSTAVSON LIN) 24 July 2003 (2003-07-24) claim 37		1-52
A,P	US 2003/199549 A1 (BURNETT ET AL) 23 October 2003 (2003-10-23) claims 1,11		1-52

INTERNATIONAL SEARCH REPORT

rmation on patent family members

PCT/US 03/35543

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